U.S. Patent Appln. No. 09/800,330   IBM Docket No. BOC9-1999-0090
Resp. Dated Nov. 7, 2005
 to Office Action of July 6, 2005
Docket No. 6169-143

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1.   (Currently Amended)   A method for converting formatted content comprising:

receiving a content request from a client, said content request specifying a network location from which a specified document including formatted content ~~that is formatted using a markup language~~ can be retrieved, said content request further indicating a target format ~~in which the information is to be received~~;

responsive to the content request, identifying a template which corresponds to said specified document and said target ~~markup language~~ format, the identification being based on a template identifier corresponding to a network location identifier of the specified network location, said template providing at least one content marker indicating a data offset for identifying within the specified document data corresponding to a predetermined topic;

retrieving said specified document from said specified network location;

applying said template to said specified document[[,]] ~~an application~~ and extracting data from said formatted content based upon the template; and

formatting said data based upon the template, wherein formatting produces a second document formatted [[for]] according to the target ~~markup language~~ format.

2.   (Original)   The method of claim 1, wherein said extracted data is unformatted data.

{WP261395;1}   2

U.S. Patent Appln. No. 09/800,330   IBM Docket No. BOC9-1999-0090
Resp. Dated Nov. 7, 2005
  to Office Action of July 6, 2005
Docket No. 6169-143

3.   (Previously Presented)   The method of claim 1, further comprising:

wherein said specified document is a Web page, wherein said client request is formatted using Hypertext Transfer Protocol (HTTP), and wherein said network location is specified as a URL corresponding to said Web page.

4.   (Previously Presented)   The method of claim 1, further comprising:

conveying said second document to said client;

presenting said second document through a user interface of said client.

5.   (Original)   The method of claim 4, wherein said user interface is a speech interface.

6.   (Original)   The method of claim 1, wherein said extracting data comprises reading data in said formatted content from an offset within said specified document, said offset identified by a content marker within said template.

7.   (Original)   The method of claim 6, further comprising reading a data identifier from said content marker.

8.   (Previously Presented)   The method of claim 1, wherein said specified document and said second document are formatted in a markup language selected from the group consisting of hypertext markup language (HTML), extensible markup language (XML), standard generalized markup language (SGML), wireless markup language (WML), handheld device markup language (HDML), and VoiceXML.

{WP261395;1}   3

U.S. Patent Appln. No. 09/800,330   IBM Docket No. BOC9-1999-0090
Resp. Dated Nov. 7, 2005
   to Office Action of July 6, 2005
Docket No. 6169-143

9.   (Previously Presented)   The method of claim 8, wherein said specified document is formatted markup language in at least one of a hypertext markup language (HTML) and extensible markup language (XML).

10.   (Previously Presented)   The method of claim 9, wherein said target markup language is selected from the group consisting of wireless markup language (WML), handheld device markup language (HDML), and VoiceXML.

11.   (Previously Presented)   The method of claim 10, wherein said target markup language is voice extensible markup language (VoiceXML).

12.   (Original)   The method of claim 1, wherein said second document and said specified document are of a different modality.

13.   (Currently Amended)   A method of configuring a content converter comprising:
        determining at least one data location within at least one specified document containing formatted content, the at least one data location having data corresponding to a predetermined topic;
        constructing at least one template having one or more content markers which correspond to said data location, each said template corresponding to a specified document and a target markup language for extracting from the specified document data corresponding to the predetermined topic; and,
        mapping said templates to said specified documents using a template table, wherein said templates are used to generate documents containing content corresponding to the predetermined topic based on data extracted from [[the]] an associated specified

{WP261395;1}   4

document and formatted using an associated target markup language, even though the associated specified document is written in a different markup language than the target markup language.

14. (Currently Amended) A system for reformatting data comprising:

a buffer for receiving documents formatted in a first markup language;

one or more templates each having at least one content marker for extracting data corresponding to a predetermined topic from formatted content in said documents, each said template corresponding to at least one document and a target markup language;

a table of said templates associating said templates with said corresponding documents; and,

a formatter for formatting said data using the target markup language.

15. (Original) The system of claim 14, wherein said templates have at least one content marker for locating data within said formatted content.

16. (Original) The system of claim 15, wherein said content marker has an identifier for identifying data within said formatted content.

17. (Previously Presented) The system of claim 14 wherein the first markup language is selected from the group consisting of hypertext markup language (HTML), extensible markup language (XML), standard generalized markup language (SGML), wireless markup language (WML), handheld device markup language (HDML), and VoiceXML.

18.   (Previously Presented)   The system of claim 14, said first markup language is a hypertext markup language (HTML).

19.   (Previously Presented)   The system of claim 14, wherein said target markup language is selected from the group consisting of hypertext markup language (HTML), extensible markup language (XML), standard generalized markup language (SGML), wireless markup language (WML), handheld device markup language (HDML), and VoiceXML.

20.   (Previously Presented)   The system of claim 14, wherein said target markup language is voice extensible markup language (VoiceXML).

21.   (Previously Presented)   The system of claim 14, wherein said first and target markup languages are of a different modality.

22.   (Currently Amended)   A machine readable storage, having stored thereon a computer program having a plurality of code sections executable by a machine for causing the machine to perform the steps of:

receiving a content request from a client, said content request specifying a network location from which a specified document including formatted content that is formatted using a markup language can be retrieved, said content request further indicating a target format in which the information is to be received;

responsive to the content request[[,]] identifying a template which corresponds to said specified document and said target markup language format, the identification being based on a template identifier corresponding to a network location identifier of the specified network location, said template providing at least one content marker indicating

6

U.S. Patent Appln. No. 09/800,330   IBM Docket No. BOC9-1999-0090
Resp. Dated Nov. 7, 2005
   to Office Action of July 6, 2005
Docket No. 6169-143

<u>a data offset for identifying within the specified document data corresponding to a</u> <u>predetermined topic;</u>

retrieving said specified document from said specified network location;

applying said template to said specified document[[,]] ~~an application~~ <u>and</u> extracting data from said formatted content <u>based upon the template;</u> and

formatting said data based upon the template, wherein formatting produces a second document formatted [[for]] <u>according to</u> the target ~~markup language~~ <u>format.</u>

23. (Previously Presented)   The machine readable storage of claim 22, further causing the machine perform the steps of:

wherein said specified document is a Web page, wherein said client request is formatted using Hypertext Transfer Protocol (HTTP), and wherein said network location is specified as a URL corresponding to said Web page.

24. (Previously Presented)   The machine readable storage of claim 22, further causing the machine perform the steps of:

conveying said second document to said client;

presenting said second document through a user interface of said client.

25. (Original)   The machine readable storage of claim 24, wherein said user interface is a speech interface.

26. (Original)   The machine readable storage of claim 22, wherein said extracting data comprises reading data in said formatted content from an offset within said specified document, said offset identified by a content marker within said template.

{WP261395;1}   7

27.   (Original)   The machine readable storage of claim 26, further comprising reading a data identifier from said content marker.

28.   (Previously Presented)   The machine readable storage of claim 22, wherein said specified document and said second document are formatted in a markup language selected from the group consisting of hypertext markup language (HTML), extensible markup language (XML), standard generalized markup language (SGML), wireless markup language (WML), handheld device markup language (HDML), and VoiceXML.

29.   (Previously Presented)   The machine readable storage of claim 28, wherein said specified document is formatted in at least one of a hypertext markup language (HTML) and extensible markup language (XML).

30.   (Previously Presented)   The machine readable storage of claim 29, wherein said target markup language is selected from the group consisting of wireless markup language (WML), handheld device markup language (HDML), and VoiceXML.

31.   (Previously Presented)   The machine readable storage of claim 30, wherein said target markup language is voice extensible markup language (VoiceXML).

32.   (Original)   The machine readable storage of claim 22, wherein said second document and said specified document are of a different modality.

33.   (New)   A method for converting formatted content comprising:
        receiving a content request from a client, said content request specifying a network location from which a specified document including formatted content that is formatted

using a markup language can be retrieved, said content request further indicating a target format in which the information is to be received;

referencing a template table comprising a plurality of network location identifiers and a plurality of template identifiers corresponding to the network location identifiers;

identifying a customizable and updatable template which corresponds to said specified document and said target markup language, the identification being based on a template identifier corresponding to a network location identifier of the specified network location, said template providing at least one ordered content marker indicating a data offset for identifying content within said specified document, a data type of content identified within said specified document;

retrieving said specified document from said specified network location; and

extracting content identified by the data offset from said specified document; and

using the identified template, formatting the extracted content to produce a second document containing presentable content formatted according to the target markup language;

wherein the presentable content is presented in an order specified by the at least one ordered content marker.